



DOCKET NO.: ISIS-2169

30-105-A/JN
#5
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Int'l re patent application of:
Christensen et al.

Serial No.: 08/612,661

Group No.: Unknown

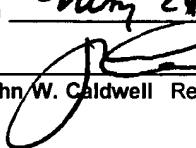
Filed: March 8, 1996

Examiner: Unknown

For: Substituted Nucleic Acid Mimics

I, John W. Caldwell, Registration No. 28,937 certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

On May 28 1996


John W. Caldwell Reg. No. 28,937

Box Missing Part
Assistant Commissioner for Patents
Washington DC 20231

Sir:

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

In response to the "Notice to File Missing Parts of Application--Filing Date Granted" dated **March 27, 1996**, a response to which is due **May 27, 1996**, enclosed herewith for filing is:

(xx) The original Combined Declaration and Power of Attorney, executed by the inventor(s). An unexecuted copy of this document, attached to the above-identified specification, was filed by Express Mail No. **TB881245673US** on **March 28, 1996**.

(xx) An Associate Power of Attorney is also enclosed.

() Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a Verified Statement previously submitted on _____.

() The original executed Verified Statement Claiming Small Entity Status Under 37 CFR 1.9 and 1.27 is filed

herewith.

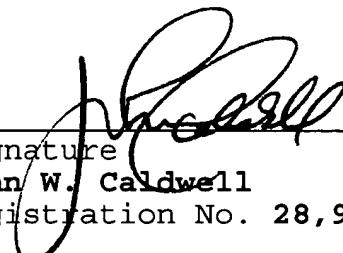
() A Verified Statement Claiming Small Entity Status Under 37 CFR 1.9 and 1.27 has been forwarded to the Refund Section, Accounting Division, Office of Finance on _____. A copy of this Verified Statement Claiming Small Entity Status form and the Request for Refund form is enclosed for your convenience.

(XX) A check in the amount of \$130.00 is attached to cover the surcharge. Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.

() Please charge the surcharge to my Deposit Account No. 23-3050 in the amount of \$_____.

This sheet is attached in triplicate.

Date: May 24, 1996


Signature
John W. Caldwell
Registration No. 28,937

WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS
One Liberty Place - 46th Floor
Philadelphia, PA 19103
(215) 568-3100



Application No. 08/612,661

39 NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):

1. This application clearly fails to comply with the requirements of 37 CFR 1.821 - 1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.

2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).

3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).

4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached marked-up copy of the "Raw Sequence Listing."

5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).

6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).

7. Other: _____

Applicant must provide:

An initial or substitute computer readable form (CRF) copy of the "Sequence Listing"

An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification

A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

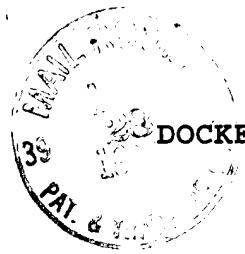
For questions regarding compliance with these requirements, please contact:

For Rules Interpretation, call (703) 308-1123

For CRF submission help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

Please return a copy of this notice with your response.



#5

DOCKET NO.: ISIS-2169

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Christensen et al.

Serial No.: 08/612,661

Group Art Unit: Unknown

Filed: March 8, 1996

Examiner: Unknown

For: Substituted Nucleic Acid Mimics

BOX SEQUENCE

Assistant Commissioner for Patents
Washington DC 20231

Dear Sir:

**STATEMENT TO SUPPORT FILING AND SUBMISSION IN ACCORDANCE
WITH 37 CFR §§ 1.821 THROUGH 1.825**

(xx) I hereby state, in accordance with the requirements of 37 C.F.R. §1.821(f), that the contents of the paper and computer readable copies of the Sequence Listing, submitted in accordance with 37 CFR §1.821(c) and (e), respectively are the same.

() I hereby state that the submission filed in accordance with 37 CFR §1.821(g) does not include new matter.

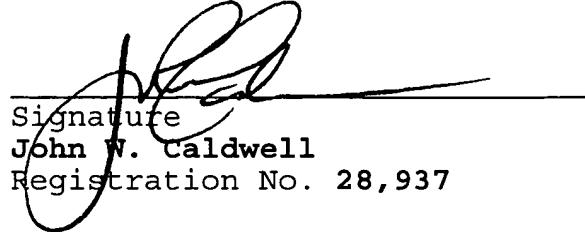
() I hereby state that the submission filed in accordance with 37 CFR §1.821(h) does not include new matter or go beyond the disclosure in the international application as filed.

() I hereby state that the amendments, made in accordance with 37 CFR §1.825(a), included in the substitute sheet(s) of the Sequence Listing are supported in the application, as filed, at pages _____. I hereby state that the substitute sheet(s) of the Sequence Listing does (do) not include new matter.

() I hereby state that the substitute copy of the computer readable form, submitted in accordance with 37 CFR §1.825(b), is the same as the amended Sequence Listing.

(xx) I hereby state that the substitute copy of the computer readable form, submitted in accordance with 37 CFR **§1.825(d)**, contains identical data to that originally filed.

Date: May 24, 1996


Signature
John W. Caldwell
Registration No. 28,937

WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS
One Liberty Place - 46th Floor
Philadelphia, PA 19103
(215) 568-3100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Christensen et al.

Serial No.: 08/612,661

Group No.: Unknown

Filed: March 8, 1996

Examiner: Unknown

For: **Substituted Nucleic Acid Mimics**

BOX SEQUENCE

Assistant Commissioner for Patents
Washington DC 20231

Sir:

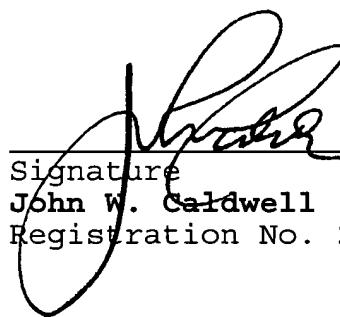
**RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS
FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE
SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURE**

In response to the "Notice to Comply With Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures" dated **March 27, 1996**, a response to which is due **May 27, 1996**, enclosed herewith is:

- (XX) Statement to Support Filing and Submission in Accordance with 37 CFR §§1.821 through 1.825;
- (XX) Substitute pages of the Sequence Listing;
- (XX) Substitute copy of the computer readable form of amended Sequence Listing;
- (XX) Copy of Notice to Comply With Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures;
- (xx) Petition for Extension of Time;
- (xx) Other: Preliminary Amendment.

The Commissioner is hereby authorized to charge any underpayment associated with this communication or credit any overpayment to Deposit Account No. 23-3050. This sheet is attached in triplicate.

Date: May 24, 1996


Signature
John W. Caldwell
Registration No. 28,937

WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS
One Liberty Place - 46th Floor
Philadelphia, PA 19103
(215) 568-3100



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
08/612,661	03/08/96	CHRISTENSEN	L ISIS-2169

0272/0327

JOHN W CALDWELL
WOODCOCK WASHBURN KURTZ MACKIEWICZ
AND NORRIS
ONE LIBERTY PLACE - 46TH FLOOR
PHILADELPHIA PA 19103

0000

DATE MAILED:

03/27/96

**NOTICE TO FILE MISSING PARTS OF APPLICATION
FILING DATE GRANTED**

An Application Number and Filing Date have been assigned to this application. However, the items indicated below are missing. The required items and fees identified below must be timely submitted **ALONG WITH THE PAYMENT OF A SURCHARGE** for items 1 and 3-6 only of \$ 130.00 for large entities or \$ 65.00 for small entities who have filed a verified statement claiming such status. The surcharge is set forth in 37 CFR 1.16(e).

If all required items on this form are filed within the period set below, the total amount owed by applicant as a large entity, small entity (verified statement filed), is \$ 130.00.

Applicant is given **ONE MONTH FROM THE DATE OF THIS LETTER, OR TWO MONTHS FROM THE FILING DATE** of this application, **WHICHEVER IS LATER**, within which to file all required items and pay any fees required above to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

1. The statutory basic filing fee is: missing insufficient. Applicant as a large entity small entity, must submit \$ _____ to complete the basic filing fee.

2. Additional claim fees of \$ _____ as a large entity, small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

3. The oath or declaration:

is missing.
 does not cover the newly submitted items.

An oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date is required.

4. The oath or declaration does not identify the application to which it applies. An oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

5. The signature(s) to the oath or declaration is/are: missing; by a person other than the inventor or a person qualified under 37 CFR 1.42, 1.43, or 1.47. A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

6. The signature of the following joint inventor(s) is missing from the oath or declaration:

____ An oath or declaration listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date, is required.

7. The application was filed in a language other than English. Applicant must file a verified English translation of the application and a fee of \$ _____ under 37 CFR 1.17(k), unless this fee has already been paid.

8. A \$ _____ processing fee is required since your check was returned without payment. (37 CFR 1.21(m)).

9. Your filing receipt was mailed in error because your check was returned without payment.

10. The application does not comply with the Sequence Rules. See attached Notice to Comply with Sequence Rules 37 CFR 1.821-1.825.

11. Other.

Direct the response to Box Missing Part and refer any questions to the Customer Service Center at (703) 308-1202.

A copy of this notice MUST be returned with the response.